## Tamiami Trail Flow Formula (TTFF) - Target Flow from WCA-3A to ENP

Daily Target Flow for			11/23/2021	to	11/29/2021	1920	cfs
Observed Stage Data							
Station	Variable			on	11/19/2021	Value	Unit
WCA-3A (Average for Site 63, 64 and 65)	Average Daily Stage					10.48	ft-NGVD29
NESRS2	Average Daily Stage					7.81	ft-NGVD29
Regulatory Stage WCA-3A	Average Daily Stage					10.50	ft-NGVD29
Observed Flow Data							
<u>Station</u>	<u>Variable</u>	From	11/13/2021	to	11/19/2021	<u>Value</u>	<u>Unit</u>
S-12A	7-day Average Daily Flow					0	cfs
S-12B	7-day Average Daily Flow					0	cfs
S-12C	7-day Average Daily Flow					881	
S-12D	7-day Average Daily Flow					1111	
S-333	7-day Average Daily Flow						cfs
S-333N	7-day Average Daily Flow					19	cfs
S-334	7-day Average Daily Flow					0	cfs
S-12s Total	7-day Average Daily Flow					1993	
S333 + S333N - S334 <sup>1</sup>	7-day Average Daily Flow						cfs
Total Flow to ENP	7-day Average Daily Flow					2037	cts
Meteorological Data							
<u>Forecasted</u>		From	11/20/2021	to	11/26/2021	<u>Value</u>	<u>Unit</u>
WCA3 7-day Quantitative Precipitation Forecast (QPF)						0.39	in
3AS3WX - 7-day Total Forecasted PET						0.66	in
Observed		From	11/13/2021	to	11/19/2021	<u>Value</u>	<u>Unit</u>
WCA-3 7-day Total Observed NEXRAD Rainfal						0.20	in
3AS3WX 7-day Total Observed PET						0.66	in
TTFF Application							
1 Previous week target flow (calculated with forecasted 7-day QPF and PET) 1900 cfs							
2 Previous week target flow (calculated with observed rainfall and PET)						1904	
3 Adjustment for forecast (2-1)						4	
4 This week calculated target flow					1916		
5 This week target flow with adjustment (3 + 4)					1920		
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TTFF formula coefficients

Forecast Precipitation (β4)

1920 cfs

Regulation Schedule Stage (β6)

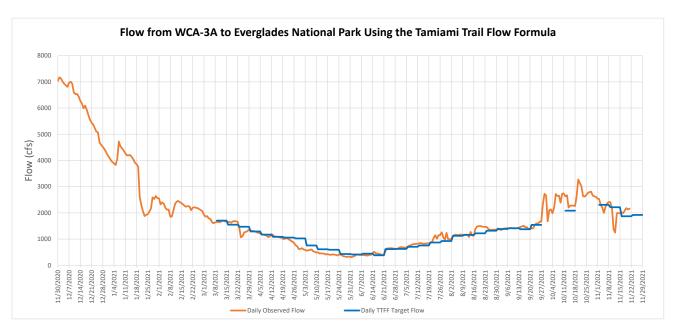
Forecast PET (β5)

Previous 7-day Average Flow (β3)

NESRS2 Stage (β2)

Average Daily Target Flow<sup>2</sup>

WCA-3A Average Stage (β1)



Target flow is distributed from east to west (S-333, S-12D, S-12C, S-12B, and S-12A) to prioritize water deliveries to NESRS first and WSRS second, subject to downstream constraints.

 $<sup>^{1}</sup>$ S-333 + S-333N - S-334 becomes zero if the sum of S-333 and S-333N is less than S-334 flow. Calculation is done daily.

 $<sup>^2</sup>$ Actual discharges may vary from target discharges because of changing hydrologic conditions.